(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 9 September 2005 (09.09.2005)

PCT

(10) International Publication Number WO 2005/083246 A1

(51) International Patent Classification⁷: F02B 53/04, 33/12, 75/22

(21) International Application Number:

PCT/US2005/005539

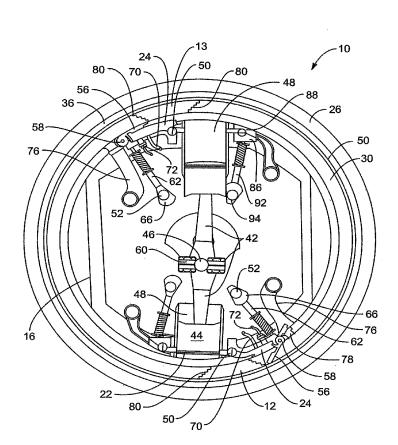
- (22) International Filing Date: 22 February 2005 (22.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

06/546,577 20 February 2004 (20.02.2004) US Not furnished 11 December 2004 (11.12.2004) US

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: A NOVEL INTERNAL COMBUSTION TORROIDAL ENGINE



novel Mirabile (57) Abstract: Α combustion engine (10) comprises an air intake (18), an air compressor (22), a combustion chamber (24), a shuttle valve (50) placed between the air compressor and the combustion chamber (24), a fuel supplier (70), coupled to the air compressor (22) and the combustion chamber (24), to deliver a fuel/air mixture to the combustion chamber, a crankshaft (46), coupled to the air compressor (22) to operate the air compressor (22) and transfer power generated by the engine (10). A turbine piston (12) is coaxially coupled to the crankshaft (46), travels in a circular path adjacent to the combustion chamber (24) serves to seal the combustion chamber (24) and opens to be driven by a force generated by combustion of the fuel/air mixture within the combustion chamber as the combusted fuel/air mixture escapes and is directed against the turbine piston (12) to rotate the turbine piston and turn the crankshaft.

Published:

with international search report

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